

FIG. 1

AQSVPYGVVSQIKAPALHSQGYTGSNVKVAV
1 10 20 30
IDSGIDSSHPDLKVAGGASMVPSETNPFQDNN
40 50 60
SHGTHVAGTVAALNNSIGVLGVAPSASLYAVK
70 80 90
VLGADGSGQYSWIINGIEWAIAANNMDVINMSL
100 110 120
GGPSGSAALKA AVDKAVASGVVVVAAAGNEG
130 140 150
TSGSSSTVGYPGKYPSVIAVGAVDSSNQRAF
160 170 180
SSVGPELDVMAPGVSIQSTLPGNKYGAYNGTS
190 200 210 220
MASPHVAGAAALILSKHPNWTNTQVRSSLENT
230 240 250
TTKLGDSFYYGKGLINVQAAAQ
260 270

FIG. 2

GCGCAGTCCGTGCCTTACGGCGTATCACAAATTAAAGCCCCTGCTC
TGCACTCTCAAGGCTACACTGGATCAAATGTTAAAGTAGCGGTTAT
CGACAGCGGTATCGATTCTTCTCATCCTGATTTAAAGGTAGCAGGC
GGAGCCAGCATGGTTCCTTCTGAAACAAATCCTTTCCAAGACAAC
AACTCTCACGGAACCTCACGTTGCCGGCACAGTTGCGGCTCTTAATA
ACTCAATCGGTGTATTAGGCGTTGCGCCAAGCGCATCACTTTACGC
TGTA AAAAGTTCTCGGTGCTGACGGTTCCGGCCAATACAGCTGGATC
ATTAACGGAATCGAGTGGGCGATCGCAAACAATATGGACGTTATT
AACATGAGCCTCGGCGGACCTTCTGGTTCTGCTGCTTTAAAAGCGG
CAGTTGATAAAGCCGTTGCATCCGGCGTCGTAGTCGTTGCGGCAGC
CGGTAACGAAGGCACTTCCGGCAGCTCAAGCACAGTGGGCTACCC
TGGTAAATACCCTTCTGTCAATTGCAGTAGGCGCTGTTGACAGCAGC
AACCAAAGAGCATCTTTCTCAAGCGTAGGACCTGAGCTTGATGTC
ATGGCACCTGGCGTATCTATCCAAAGCACGCTTCCTGGAAACAAA
TACGGGGCGTACAACGGTACGTCAATGGCATCTCCGCACGTTGCC
GGAGCGGCTGCTTTGATTCTTTCTAAGCACCCGAACTGGACAAACA
CTCAAGTCCGCAGCAGTTTAGAAAAACCACTACAAAACCTGGTG
ATTCTTTCTACTATGGAAAAGGGCTGATCAACGTACAGGCGGCAG
CTCAGTAA

FIG. 3

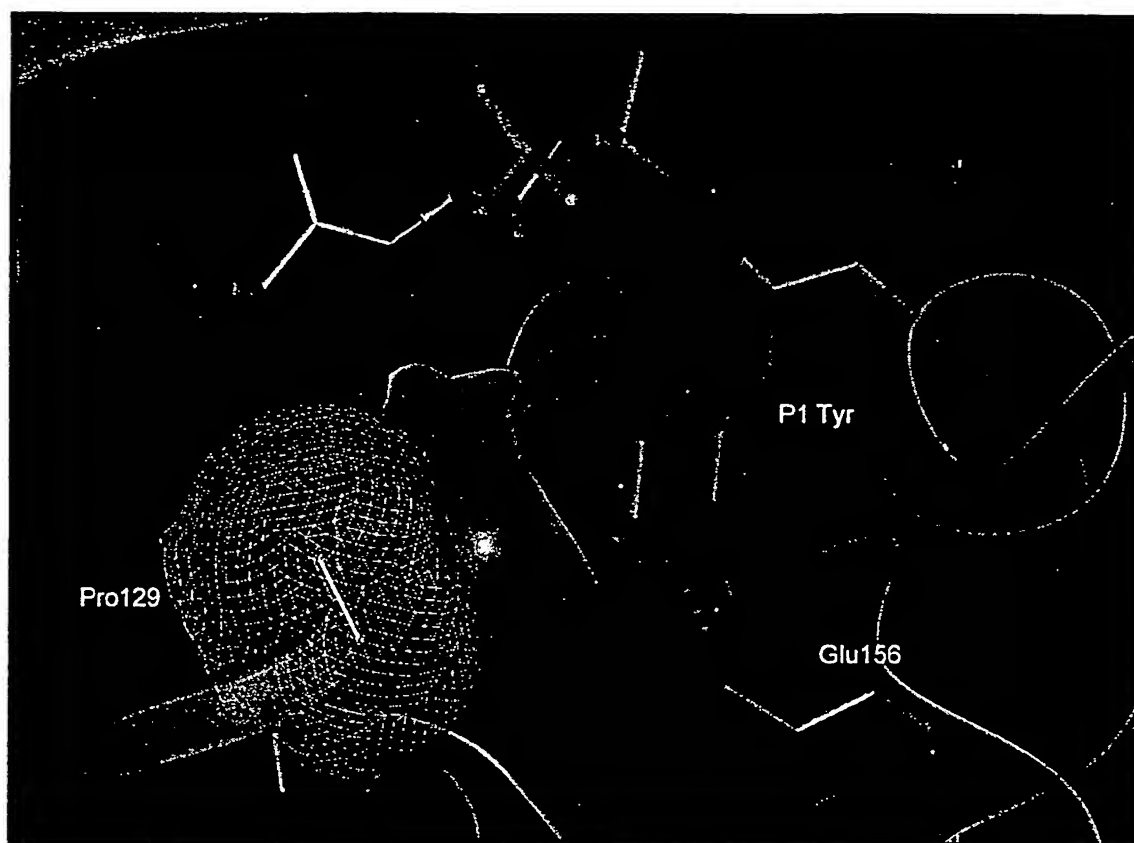


FIG. 5

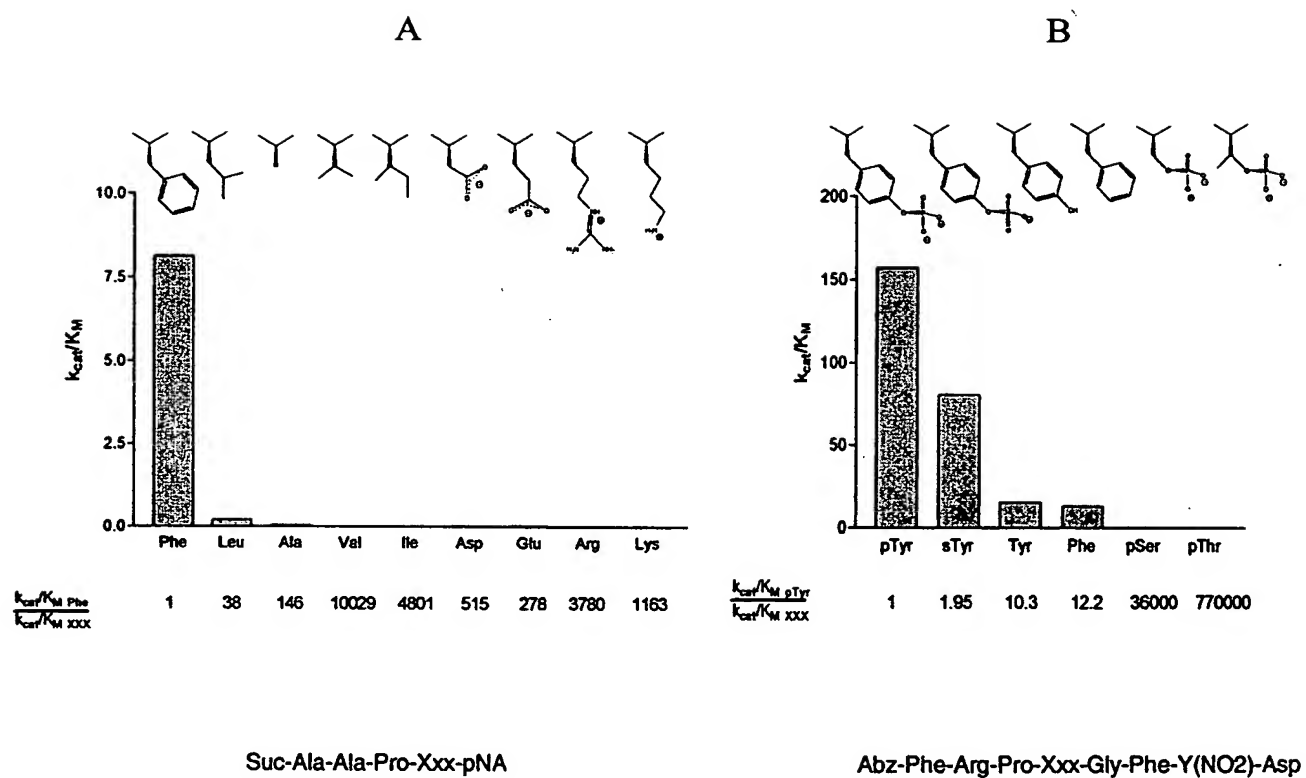


FIG. 6

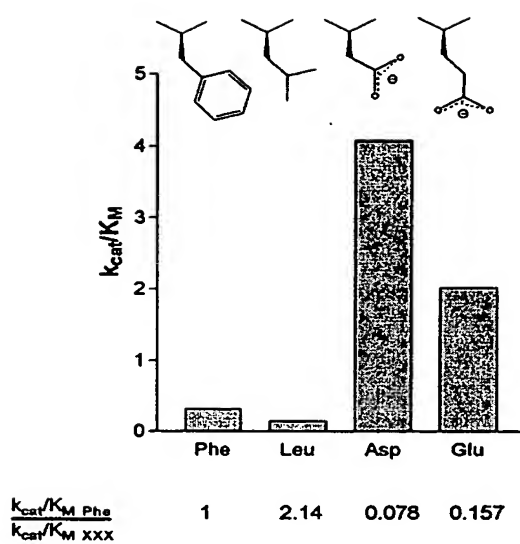


FIG. 7

MRGKKVWISLLFALALIFTMAFGSTSSAQAAGKSNGEKKYI
VGFKQTMSTMSAAKKKDVISEKGGKVOKQFKYVDAASATLN
EKAVKELKKDPSVAYVEEDHVAHAYAQSVPYGVVSQIKAPALH
SQGYTGSNVKVAVIDSGIDSSHPDLKVAGGASMVPSETNPFQD
NNSHGTHVAGTVAALNNSIGVLGVAPSASLYAVKVLGADGSG
QYSWIINGIEWAIAANNMDVINMSLGGPSGSAALKA AVDKAVA
SGVVVVAAAGNEGTS GSSSTVGYPGKYPSVIAVGAVDSSNQR
ASFSSVGPELDVMAPGVSIQSTLPGNKYGA YNGTSMASPHVA
GAAALILSKHPNWTNTQVRSSLENTTTTKLGDSFYYGKGLINVQ
AAQ

FIG. 8

GTGAGAGGCCAAAAAAGTATGGATCAGTTTGCTGTTTGC
TTTAGCGTTAATCTTTACGATGGCGTTCGGCAGCACAT
CCTCTGCCCAGGCGGCAGGGAAATCAAACGGGGAAAAG
AAATATATTGTCGGGTTTAAACAGACAATGAGCACGATGA
GCGCCGCTAAGAAGAAAGATGTCATTTCTGAAAAAGGCG
GGAAAGTGCAAAAGCAATTCAAATATGTAGACGCAGCTTC
AGCTACATTAAACGAAAAAGCTGTAAAAGAATTGAAAAA
AGACCCGAGCGTCGCTTACGTTGAAGAAGATCACGTAGCA
CATGCGTACGCGCAGTCCGTGCCTTACGGCGTATCACAAA
TTAAAGCCCCTGCTCTGCACTCTCAAGGCTACACTGGATC
AAATGTTAAAGTAGCGGTTATCGACAGCGGTATCGATTCT
TCTCATCCTGATTAAAGGTAGCAGGCGGAGCCAGCATGG
TTCCTTCTGAAACAAATCCTTTCCAAGACAACAACTCTCAC
GGAActCACGTTGCCGGCACAGTTGCGGCTCTTAATAACT
CAATCGGTGTATTAGGCGTTGCGCCAAGCGCATCACTTTA
CGCTGTAAAAGTTCTCGGTGCTGACGGTTCCGGCCAATAC
AGCTGGATCATTAAACGGAATCGAGTGGGCGATCGCAAACA
ATATGGACGTTATTAACATGAGCCTCGGCGGACCTTCTGG
TTCTGCTGCTTTAAAAGCGGCAGTTGATAAAGCCGTTGCA
TCCGGCGTCGTAGTCGTTGCGGCAGCCGGTAACGAAGGCA
CTTCCGGCAGCTCAAGCACAGTGGGCTACCCTGGTAAATA
CCCTTCTGTCAATTGCAGTAGGCGCTGTTGACAGCAGCAAC
CAAAGAGCATCTTTCTCAAGCGTAGGACCTGAGCTTGATG
TCATGGCACCTGGCGTATCTATCCAAAGCACGCTTCCTGG
AAACAAATACGGGGCGTACAACGGTACGTCAATGGCATCT
CCGCACGTTGCCGGAGCGGCTGCTTTGATTCTTTCTAAGCA
CCCGAACTGGACAAACACTCAAGTCCGCAGCAGTTTAGAA
AACACCACTACAAAACCTTGGTGATTCTTTCTACTATGGAA
AAGGGCTGATCAACGTACAGGCGGCAGCTCAGTAA